

## ABSTRACT OF THE DISCLOSURE

A system and method are provided for enabling a first network to detect a loop in a second network connected thereto. The first network runs a first instance of a Spanning Tree Protocol and the second network runs either a different instance or no instance. The method includes sending a Remote Loop Detection Packet ("RLDP") from the ports in bridges of the first network which are connected to the second network. The RLDP includes identifiers such as the source bridge, port and VLAN. The system and method further includes checking for receipt of the RLDP on the same bridge which sent the RLDP. If such a receipt occurs, a loop is detected and one of the ports of the receiving/sending bridge is blocked.